

PTO/SB/05 (08-03)

Approved for use through 07/31/2006. OMB 0651-0032  
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	I20 06741 US
First Inventor	Charles Q. Zhan
Title	APPARATUS AND METHOD FOR IDENTIFYING POSSIBLE DEFECT INDICATORS FOR A VALVE
Express Mail Label No.	ER454590071US

**APPLICATION ELEMENTS**  
*See MPEP chapter 600 concerning utility patent application contents.*

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
*(Submit an original and a duplicate for fee processing)*
2.  Applicant claims small entity status.  
See 37 CFR 1.27.
3.  Specification [Total Pages 53]  
*(preferred arrangement set forth below)*
  - Descriptive title of the Invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed-sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4.  Drawing(s) (35 U.S.C. 113) [Total Sheets 8]
5. Oath or Declaration [Total Sheets \_\_\_\_\_]
  - a.  Newly executed (original or copy)
  - b.  Copy from a prior application (37 CFR 1.63(d))  
*(for continuation/divisional with Box 18 completed)*
    - i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting Inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6.  Application Data Sheet. See 37 CFR 1.76

ADDRESS TO:  
Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission  
*(if applicable, all necessary)*
  - a.  Computer Readable Form (CRF)
  - b.  Specification Sequence Listing on:
    - i.  CD-ROM or CD-R (2 copies); or
    - ii.  Paper
  - c.  Statements verifying identity of above copies

22581 U.S. PTO  
10/7/17406



**ACCOMPANYING APPLICATION PARTS**

9.  Assignment Papers (cover sheet & document(s))
10.  37 CFR 3.73(b) Statement  Power of (when there is an assignee)  Attorney
11.  English Translation Document (if applicable)
12.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations
13.  Preliminary Amendment
14.  Return Receipt Postcard (MPEP 503)  
*(Should be specifically itemized)*
15.  Certified Copy of Priority Document(s) (if foreign priority is claimed)
16.  Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35, or its equivalent.
17.  Other: ...Certificate of Mailing by Express Mail.....

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

Continuation       Divisional       Continuation-in-part (CIP)      of prior application No.: .....

Prior application information: Examiner \_\_\_\_\_ At Unit: \_\_\_\_\_  
For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

Customer Number: 000128      OR       Correspondence address below

Name			
Address			
City	State	Zip Code	
Country	Telephone	Fax	

Name (Print/Type)	Anthony Midogos	Registration No. (Attorney/Agent)	29,677
Signature	<i>Anthony Midogos</i>		
Date	November 19, 2003		

This collection of information is required by 37 CFR 1.53(e). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.  
*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

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# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 892.00)

## Complete if Known

Application Number	New US Application
Filing Date	November 19, 2003
First Named Inventor	Charles Q. Zhan
Examiner Name	unknown
Art Unit	unknown
Attorney Docket No.	I20 06741 US

## METHOD OF PAYMENT (check all that apply)

 Check  Credit card  Money Order  Other  None
 Deposit Account:

Deposit Account Number	01-1125
Deposit Account Name	Honeywell International Inc.

The Director is authorized to: (check all that apply)

- Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) or any underpayment of fee(s)  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1001	770	2001	385	Utility filing fee	770.00
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)		(\$ 770.00)			

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Independent Claims	Multiple Dependent	Extra Claims below	Fee from below	Fee Paid
22	4		-20** = 2	x 18.00	= 36.00
			- 3** = 1	x 86.00	= 86.00
					290.00 = 0.00

Large Entity	Small Entity	Fee Description
1202	18	2202 9 Claims in excess of 20
1201	66	2201 43 Independent claims in excess of 3
1203	290	2203 145 Multiple dependent claim, if not paid
1204	88	2204 43 ** Reissue independent claims over original patent
1205	18	2205 9 ** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)		(\$ 122.00)

\*or number previously paid, if greater. For Reissues, see above

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

Large Entity Small Entity

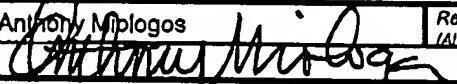
Fee Code (\$)	Fee Description	Fee Paid
1051	130 2051 65 Surcharge - late filing fee or oath	
1052	50 2052 25 Surcharge - late provisional filing fee or cover sheet	
1053	130 1053 130 Non-English specification	
1812	2,520 1812 2,520 For filing a request for ex parte reexamination	
1804	920* 1804 920* Requesting publication of SIR prior to Examiner action	
1805	1,840* 1805 1,840* Requesting publication of SIR after Examiner action	
1251	110 2251 55 Extension for reply within first month	
1252	420 2252 210 Extension for reply within second month	
1253	950 2253 475 Extension for reply within third month	
1254	1,480 2254 740 Extension for reply within fourth month	
1255	2,010 2255 1,005 Extension for reply within fifth month	
1401	330 2401 165 Notice of Appeal	
1402	330 2402 165 Filing a brief in support of an appeal	
1403	280 2403 145 Request for oral hearing	
1451	1,510 1451 1,510 Petition to institute a public use proceeding	
1452	110 2452 55 Petition to revive - unavoidable	
1453	1,330 2453 665 Petition to revive - unintentional	
1501	1,330 2501 665 Utility issue fee (or reissue)	
1502	480 2502 240 Design issue fee	
1503	840 2503 320 Plant issue fee	
1460	130 1460 130 Petitions to the Commissioner	
1807	50 1807 50 Processing fee under 37 CFR 1.17(q)	
1808	180 1808 180 Submission of Information Disclosure Stmt	
8021	40 8021 40 Recording each patent assignment per property (times number of properties)	
1809	770 2809 385 Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770 2810 385 For each additional invention to be examined (37 CFR 1.129(b))	
1801	770 2801 385 Request for Continued Examination (RCE)	
1802	900 1802 900 Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 0.00)

(Complete if applicable)

Name (Print/Type)	Anthony Milogos	Registration No. (Attorney/Agent)	29,677	Telephone	602.313.5683
Signature					
Date	November 19, 2003				

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**DOCKET NO. I20 06741 US**  
**Customer No. 000128**

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: : CHARLES Q. ZHAN, ET AL  
For : APPARATUS AND METHOD FOR IDENTIFYING  
POSSIBLE DEFECT INDICATORS FOR A VALVE

**MAIL STOP PATENT APPLICATION**  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

**CERTIFICATE OF MAILING BY POST OFFICE EXPRESS MAIL**

Sir:

The undersigned hereby certifies that the following documents:

- 1) Patent Application (53 pages);
- 2) Informal Drawings (8 sheets);
- 3) Transmittal Letter (in duplicate);
- 4) Fee Transmittal for FY 2004 (in duplicate); and
- 5) Postcard receipt.

relating to the above application, were deposited as "Express Mail", Mailing Label No. ER454590071US with the United States Postal Service, addressed to MAIL STOP PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on November 19, 2003.

Date: Nov 19, 2003

Kathy Hamilton  
Mailer

Legal Department Docket Clerk  
101 Columbia Road  
P.O. Box 2245  
Morristown, New Jersey 07962  
Phone: (602) 313-5683  
Fax: (602) 313-4559